

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 1998 ACS
ACCESSION NUMBER: 1996:384094 CAPLUS
DOCUMENT NUMBER: 125:95893
TITLE: Particle design using a spray-dryer
AUTHOR(S): Yajima, Toshio
CORPORATE SOURCE: Pharmaceutical Res. Laboratories, Taisho
Pharmaceutical Co., ltd., 330, Japan
SOURCE: Pharm Tech Jpn.
(1996), 12(6), 873-882
CODEN: PTJAE9; ISSN: 0910-4739
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
CLASSIFICATION: 63-6 (Pharmaceuticals)
ABSTRACT:

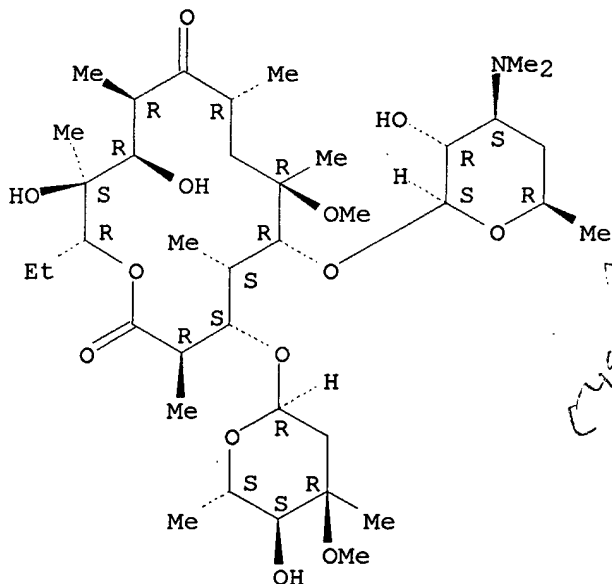
The application of spray agglomeration (e.g., spray drying agglomeration, spray congealing agglomeration) using a spray-dryer to drug formulations have been studied. In case of spray drying agglomeration, good results were obtained in regard to granulation process, coating process and compressibility, but taste-masking of a drug with bitter taste was imperfect. Spray congealing agglomeration was preferable on taste-masking and control release properties, but immediate release formulation could not be obtained. Based on the above-mentioned results, pediatric formulation for clarithromycin (CAM), a new macrolide antibiotic with a bitter taste, have been developed. The fundamental objective was to prevent the prepn. from dissolving in the mouth, while ensuring that rapid release of CAM from the prepn. could be attained in the gastrointestinal tract, resulting in bioequivalence to the conventional dosage form. By selecting glyceryl monostearate and aminoalkyl methacrylate copolymer E as ingredients, the optimum formula for the prepn. could be obtained.

SUPPL. TERM: pharmaceutical spray drying taste masking
clarithromycin
INDEX TERM: Taste
(-masking; particle design using spray-dryer)
INDEX TERM: Pharmaceutical dosage forms
(particle design using spray-dryer)
INDEX TERM: Drying
(spray, particle design using spray-dryer)
INDEX TERM: 24938-16-7, Eudragit e 31566-31-1, Glyceryl
monostearate 81103-11-9, Clarithromycin
ROLE: THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(particle design using spray-dryer)

5/17/99

L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1999 ACS
 RN 81103-11-9 REGISTRY
 CN Erythromycin, 6-O-methyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Oxacyclotetradecane, erythromycin deriv.
 OTHER NAMES:
 CN 6-O-Methylerythromycin
 CN 6-O-Methylerythromycin A
 CN A 56268
 CN Antibiotic A 56268
 CN Antibiotic TE 31
 CN Biaxin
 CN **Clarithromycin**
 CN TE 031
 FS STEREOSEARCH
 DR 108599-07-1
 MF C38 H69 N O13
 CI COM
 LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN*, BIOBUSINESS,
 BIOSIS,
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CBNB,
 CIN, CSCHM, DDFU, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IPA,
 MEDLINE, MRCK*, PHAR, PROMT, RTECS*, TOXLINE, TOXLIT, USAN, USPATFULL,
 VETU
 (*File contains numerically searchable property data)
 Other Sources: WHO

Absolute stereochemistry.



1176 REFERENCES IN FILE CA (1967 TO DATE)
 14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1178 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1999 ACS
 RN 103-90-2 REGISTRY

CN Acetamide, N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetanilide, 4'-hydroxy- (7CI, 8CI)

OTHER NAMES:

CN 4'-Hydroxyacetanilide

CN 4-(Acetylamino)phenol

CN 4-(N-Acetylamino)phenol

CN 4-Acetamidophenol

CN 4-Acetaminophenol

CN 4-Hydroxyacetanilide

CN Abensanil

CN Acamol

CN Acenol

CN Acenol (pharmaceutical)

CN Acetagesic

CN Acetalgin

CN Acetaminofen

CN Acetaminophen

CN Algotropyl

CN Alvedon

CN Amadil

CN Anaflon

CN Anelix

CN Apamid

CN Apamide

CN APAP

CN Ben-u-ron

CN Bickie-mol

CN Biocetamol

CN Calpol

CN Cetadol

CN Clixodyne

CN Crocin

CN Dial-a-gesic

CN Dirox

CN Duorol

CN Dymadon

CN Eneril

CN Febrilix

CN Febro-Gesic

CN Febrolin

CN Fendon

CN Fepanil

CN Finimal

CN Hedex

CN Homoolan

CN Lestemp

CN Liquagesic

CN Lonarid

CN Lyteca

CN Lyteca Syrup

CN Multin

CN N-(4-Hydroxyphenyl)acetamide

CN **Paracetamol**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

FS 3D CONCORD

DR 8055-08-1

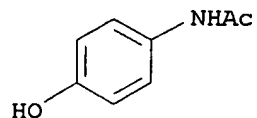
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CI COM

LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN*, BIOBUSINESS,
BIOSIS,

CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CBNB, CIN, CSCHEM, CSNB, DDFU, DIPPR*, DRUGU,
EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PIRA, PHAR, PROMT, RTECS*, SPECINFO, TOXLINE,

TOXLIT, USAN, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)



7491 REFERENCES IN FILE CA (1967 TO DATE)
197 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7493 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

